



\_\_\_\_\_ student name

\_\_\_\_\_ period

\_\_\_\_\_ date

## 2. Technological Systems / Inputs

- Back in elementary school your science teacher probably introduced you to the term

\_\_\_\_\_.

- A system can be defined as a \_\_\_\_\_ of \_\_\_\_\_ that form a \_\_\_\_\_ whole.

A \_\_\_\_\_ system, such as an entertainment system, is a group of parts working together in a \_\_\_\_\_ way \_\_\_\_\_ to achieve a goal.

- But the important thing to emphasize here is that \_\_\_\_\_ systems are \_\_\_\_\_ by human beings to achieve a desired \_\_\_\_\_.

So, the solar system is a system, but not a \_\_\_\_\_ system.

- A technological system have 4 main parts - \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_.

- There can be at least 7 different kinds of inputs. Name Them:

1. \_\_\_\_\_ 2. \_\_\_\_\_

3. \_\_\_\_\_ 4. \_\_\_\_\_

5. \_\_\_\_\_ 6. \_\_\_\_\_

7. \_\_\_\_\_

- Since technological \_\_\_\_\_ are made by \_\_\_\_\_ to solve human \_\_\_\_\_, people are always part of a system, right?
- People come up with the idea for the systems, they provide \_\_\_\_\_ and technical \_\_\_\_\_, they \_\_\_\_\_ at factories to make them, sometimes \_\_\_\_\_ have to \_\_\_\_\_ them and finally people use the products that the systems provide.
- Nowadays technology can be made from lots of different materials, from traditional \_\_\_\_\_ materials like wood and \_\_\_\_\_ to newer materials like \_\_\_\_\_, high tech \_\_\_\_\_ and metals.
- When you are talking about technology, \_\_\_\_\_ are what started it all. Tools \_\_\_\_\_ the abilities of humans. Whether a primitive hammer or a high tech laser engraver, \_\_\_\_\_ and \_\_\_\_\_ allow us to do the things that we would not be able to do with our eyes, hands and brains alone.
- \_\_\_\_\_ is the stuff that makes any kind of \_\_\_\_\_ possible. It can take the \_\_\_\_\_ of human energy, water power, electricity, nuclear, or even wind power.
- An important thing to remember about \_\_\_\_\_ is that you can \_\_\_\_\_ it from one kind to another.
- \_\_\_\_\_ is the facts and ideas, thoughts and opinions that people know and share.
- \_\_\_\_\_ is raw, unorganized facts and figures collected by people and machines.

• \_\_\_\_\_ Each of the inputs mentioned so far: people, materials, tools and machines, energy and information all have value and that means \_\_\_\_\_. And money means \_\_\_\_\_.

• Everything takes \_\_\_\_\_. Rome wasn't built in a day. Developing a video game might take only a few \_\_\_\_\_ but developing a \_\_\_\_\_ for cancer will take many \_\_\_\_\_.